Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/16/2020 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125044	0	2.76	125137	2.71
Blue	F	SSC	125000	123751	-1	1.70	124505	1.68
Blue	E	FITC	15892	15416	-3	2.95	336	20.72
Blue	D	PE	29999	29637	-2	2.10	645	15.54
Blue	B	PerCP-Cy5-5	43732	43807	0	3.78	1174	20.97
Blue	A	PE-Cy7	30845	30889	0	6.23	592	42.12
Red	C	APC	46112	45648	-2	2.44	1614	12.28
Red	A	APC-Cy7	30458	29920	-2	2.40	792	12.06
Violet	B	V450	7918	7633	-4	4.94	426	13.63
Violet	A	V500	32171	31459	-3	4.74	732	10.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17459	14.63	624	3	N/A	N/A	Pass
Blue	F	SSC	56214	1.29	565	6	N/A	N/A	Pass
Blue	E	FITC	61	63.54	544	1	0.0180	79	Pass
Blue	D	PE	135	49.96	551	3	0.1319	201	Pass
Blue	B	PerCP-Cy5-5	214	51.79	660	4	0.0086	64	Pass
Blue	A	PE-Cy7	108	106.19	703	5	0.0102	19	Pass
Red	C	APC	384	25.32	589	5	0.0234	112	Pass
Red	A	APC-Cy7	174	29.45	561	5	0.0055	1177	Pass
Violet	B	V450	65	59.75	464	6	0.0468	1835	Pass
Violet	A	V500	109	33.09	480	6	0.0214	568	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.63	-31.76	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.47
Red	15.25	13.60 - 20.40	N/A	N/A	28.99	29.80	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10982

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments